

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A light emitting device comprising:  
a thin film transistor over a substrate;  
an interlayer insulating film over the thin film transistor; ~~and~~  
a pixel electrode over the interlayer insulating film; and  
a capacitor storage over the interlayer insulating film,  
wherein the capacitor storage has a connection wiring line, a capacitance wiring line,  
and an insulating film formed between the connection wiring line and the capacitance wiring  
line,  
wherein the connection wiring line is connected to a source region or a drain region  
of the thin film transistor.
2. (Previously presented) A light emitting device as claimed in claim 1, wherein the  
insulating film is formed by anodization.
3. (Previously presented) A light emitting device as claimed in claim 1, wherein the  
capacitance wiring line and a pixel electrode are formed from the same conductive film.
4. (Original) An electric appliance comprising the light emitting device according to  
claim 1, wherein the electronic appliance is selected from the group consisting of an organic light  
emitting diode display, a digital still camera, a notebook personal computer, a mobile computer,  
a portable image reproducing device, a goggle type display, a video camera, and a cellular  
phone.

5. (Currently amended) A light emitting device comprising:  
a thin film transistor over a substrate;  
an interlayer insulating film over the thin film transistor; ~~and~~  
a pixel electrode over the interlayer insulating film; and  
a capacitor storage over the interlayer insulating film,  
wherein the capacitor storage has a connection wiring line, a capacitance wiring line,  
and an insulating film formed between the connection wiring line and the capacitance wiring  
line,  
wherein the connection wiring line is connected to a source region or a drain region  
of the thin film transistor, and  
wherein the connection wiring line overlaps an active layer of the thin film transistor.

6. (Previously presented) A light emitting device as claimed in claim 5, wherein the  
insulating film is formed by anodization.

7. (Previously presented) A light emitting device as claimed in claim 5, wherein the  
capacitance wiring line and a pixel electrode are formed from the same conductive film.

8. (Original) An electric appliance comprising the light emitting device according to  
claim 5, wherein the electronic appliance is selected from the group consisting of an organic light  
emitting diode display, a digital still camera, a notebook personal computer, a mobile computer, a  
portable image reproducing device, a goggle type display, a video camera, and a cellular phone.

9. (Original) A light emitting device comprising a thin film transistor, a capacitor  
storage, and an organic light emitting diode,  
wherein the capacitor storage has a connection wiring line, a capacitance wiring line,  
and an insulating film formed between the connection wiring line and the capacitance wiring  
line, the connection wiring line being formed on an interlayer insulating film that covers a gate

electrode of the thin film transistor, the capacitance wiring line being formed on the same interlayer insulating film on which a pixel electrode of the organic light emitting diode is formed, wherein the connection wiring line is connected to a source region or a drain region of the thin film transistor.

10. (Previously presented) A light emitting device as claimed in claim 9, wherein the insulating film is formed by anodization.

11. (Previously presented) A light emitting device as claimed in claim 9, wherein the capacitance wiring line and the pixel electrode are formed from the same conductive film.

12. (Original) An electric appliance comprising the light emitting device according to claim 9, wherein the electronic appliance is selected from the group consisting of an organic light emitting diode display, a digital still camera, a notebook personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera, and a cellular phone.

13. (Original) A light emitting device comprising a thin film transistor, a capacitor storage, and an organic light emitting diode,

wherein the capacitor storage has a connection wiring line, a capacitance wiring line, and an insulating film formed between the connection wiring line and the capacitance wiring line, the connection wiring line being formed on an interlayer insulating film that covers a gate electrode of the thin film transistor, the capacitance wiring line being formed on the same interlayer insulating film on which a pixel electrode of the organic light emitting diode is formed, wherein the connection wiring line is connected to a source region or a drain region of the thin film transistor,

wherein the luminance of the organic light emitting diode is controlled by an analog video signal.

14. (Previously presented) A light emitting device as claimed in claim 13, wherein the insulating film is formed by anodization.

15. (Previously presented) A light emitting device as claimed in claim 13, wherein the capacitance wiring line and the pixel electrode are formed from the same conductive film.

16. (Original) An electric appliance comprising the light emitting device according to claim 13, wherein the electronic appliance is selected from the group consisting of an organic light emitting diode display, a digital still camera, a notebook personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera, and a cellular phone.

17. (Previously presented) A light emitting device comprising:  
a source line, a power supply line, a switching thin film transistor, a driving thin film transistor formed over a substrate,  
an interlayer insulating film over the source line, the power supply line, the switching thin film transistor, and the driving thin film transistor,  
a capacitor storage over the interlayer insulating film, and  
an organic light emitting diode over the interlayer insulating film,  
wherein the switching thin film transistor has a source region and a drain region one of which is connected to the source line and the other of which is connected to a gate electrode of the driving thin film transistor through a connection wiring line,  
wherein the driving thin film transistor has a source region and a drain region one of which is connected to the power supply line and the other of which is connected to a pixel electrode of the organic light emitting diode,  
wherein the connection wiring line is formed on an interlayer insulating film that covers a gate electrode of the switching thin film transistor,

wherein the capacitor storage has the connection wiring line, a capacitance wiring line, and an insulating film formed between the connection wiring line and the capacitance wiring line.

18. (Previously presented) A light emitting device as claimed in claim 17, wherein the insulating film is formed by anodization.

19. (Previously presented) A light emitting device as claimed in claim 17, wherein the capacitance wiring line and the pixel electrode are formed from the same conductive film.

20. (Original) An electric appliance comprising the light emitting device according to claim 17, wherein the electronic appliance is selected from the group consisting of an organic light emitting diode display, a digital still camera, a notebook personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera, and a cellular phone.

21. (Previously presented) A light emitting device comprising:  
a source line, a power supply line, a switching thin film transistor, a driving thin film transistor, a first capacitor storage, and an organic light emitting diode over a substrate,  
a second capacitor storage over the first capacitor storage,  
wherein the switching thin film transistor has a source region and a drain region one of which is connected to the source line and the other of which is connected to a gate electrode of the driving thin film transistor through a connection wiring line,  
wherein the driving thin film transistor has a source region and a drain region one of which is connected to the power supply line and the other of which is connected to a pixel electrode of the organic light emitting diode,

wherein the first capacitor storage has a capacitance electrode, a semiconductor layer, and a first insulating film formed between the capacitance electrode and the semiconductor layer, and

wherein the second capacitor storage has the capacitance electrode, the power supply line, and second insulating film formed between the capacitance electrode and the power supply line, the capacitance electrode being formed of the same conductive film as the gate electrode of the driving thin film transistor.

22. (Previously presented) A light emitting device as claimed in claim 21, wherein the insulating film is formed by anodization.

23. (Canceled)

24. (Original) An electric appliance comprising the light emitting device according to claim 21, wherein the electronic appliance is selected from the group consisting of an organic light emitting diode display, a digital still camera, a notebook personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera, and a cellular phone.

25. (Previously presented) A light emitting device comprising:

a source line, a power supply line, a switching thin film transistor, and a driving thin film transistor over a substrate,

an interlayer insulating film over the source line, the power supply line, the switching thin film transistor, and the driving thin film transistor,

a capacitor storage over the interlayer insulating film, and

an organic light emitting diode over the interlayer insulating film,

wherein the switching thin film transistor has a source region and a drain region one of which is connected to the source line and the other of which is connected to a gate electrode of the driving thin film transistor through a connection wiring line,

wherein the driving thin film transistor has a source region and a drain region one of which is connected to the power supply line and the other of which is connected to a pixel electrode of the organic light emitting diode,

wherein the capacitor storage has the connection wiring line, a capacitance wiring line, and an insulating film formed between the connection wiring line and the capacitance wiring line, and

wherein the connection wiring line overlaps an active layer of the switching thin film transistor.

26. (Previously presented) A light emitting device as claimed in claim 25, wherein the insulating film is formed by anodization.

27. (Previously presented) A light emitting device as claimed in claim 25, wherein the capacitance wiring line and the pixel electrode are formed from the same conductive film.

28. (Original) An electric appliance comprising the light emitting device according to claim 25, wherein the electronic appliance is selected from the group consisting of an organic light emitting diode display, a digital still camera, a notebook personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera, and a cellular phone.

29. (Previously presented) A light emitting device comprising:  
a source line, a power supply line, a switching thin film transistor, a driving thin film transistor, a first capacitor storage, and an organic light emitting diode over a substrate,  
a second capacitor storage over the first capacitor storage,

wherein the switching thin film transistor has a source region and a drain region one of which is connected to the source line and the other of which is connected to a gate electrode of the driving thin film transistor through a connection wiring line,

wherein the driving thin film transistor has a source region and a drain region one of which is connected to the power supply line and the other of which is connected to a pixel electrode of the organic light emitting diode,

wherein the first capacitor storage has a capacitance electrode, a semiconductor layer, and a first insulating film formed between the capacitance electrode and the semiconductor layer,

wherein the second capacitor storage has the capacitance electrode, the power supply line, and second insulating film formed between the capacitance electrode and the power supply line, the capacitance electrode being formed of the same conductive film as the gate electrode of the driving thin film transistor, and

wherein the connection wiring line overlaps an active layer of the switching thin film transistor.

30. (Previously presented) A light emitting device as claimed in claim 29, wherein the insulating film is formed by anodization.

31. (Canceled)

32. (Original) An electric appliance comprising the light emitting device according to claim 29, wherein the electronic appliance is selected from the group consisting of an organic light emitting diode display, a digital still camera, a notebook personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera, and a cellular phone.

33. (Previously presented) A light emitting device comprising:



a source line, a power supply line, a switching thin film transistor, and a driving thin film transistor over a substrate,

an interlayer insulating film over the source line, the power supply line, the switching thin film transistor, and the driving thin film transistor,

a capacitor storage over the interlayer insulating film, and

an organic light emitting diode over the interlayer insulating film,

wherein the switching thin film transistor has a source region and a drain region one of which is connected to the source line and the other of which is connected to a gate electrode of the driving thin film transistor through a connection wiring line,

wherein the driving thin film transistor has a source region and a drain region one of which is connected to the power supply line and the other of which is connected to a pixel electrode of the organic light emitting diode,

wherein the capacitor storage has the connection wiring line, a capacitance wiring line, and an insulating film formed between the connection wiring line and the capacitance wiring line, and

wherein a drain current of the driving thin film transistor is controlled by an analog video signal inputted to the source line and the drain current flows into the organic light emitting diode.

34. (Previously presented) A light emitting device as claimed in claim 33, wherein the insulating film is formed by anodization.

35. (Previously presented) A light emitting device as claimed in claim 33, wherein the capacitance wiring line and the pixel electrode are formed from the same conductive film.

36. (Original) An electric appliance comprising the light emitting device according to claim 33, wherein the electronic appliance is selected from the group consisting of an organic light emitting diode display, a digital still camera, a notebook personal computer, a mobile

computer, a portable image reproducing device, a goggle type display, a video camera, and a cellular phone.

37. (Previously presented) A light emitting device comprising:  
a source line, a power supply line, a switching thin film transistor, a driving thin film transistor, a first capacitor storage, and an organic light emitting diode over a substrate,  
a second capacitor storage over the first capacitor storage,  
wherein the switching thin film transistor has a source region and a drain region one of which is connected to the source line and the other of which is connected to a gate electrode of the driving thin film transistor through a connection wiring line,  
wherein the driving thin film transistor has a source region and a drain region one of which is connected to the power supply line and the other of which is connected to a pixel electrode of the organic light emitting diode,  
wherein the first capacitor storage has a capacitance electrode, a semiconductor layer, and a first insulating film formed between the capacitance electrode and the semiconductor layer,  
wherein the second capacitor storage has the capacitance electrode, the power supply line, and second insulating film formed between the capacitance electrode and the power supply line, the capacitance electrode being formed of the same conductive film as the gate electrode of the driving thin film transistor, and  
wherein a drain current of the driving thin film transistor is controlled by an analog video signal inputted to the source line and the drain current flows into the organic light emitting diode.

38. (Previously presented) A light emitting device as claimed in claim 37, wherein the insulating film is formed by anodization.

39. (Canceled)

40. (Original) An electric appliance comprising the light emitting device according to claim 37, wherein the electronic appliance is selected from the group consisting of an organic light emitting diode display, a digital still camera, a notebook personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera, and a cellular phone.

41. (Previously presented) A light emitting device comprising:  
a source line, a power supply line, a switching thin film transistor, a driving thin film transistor, and a first capacitor storage over a substrate,  
an interlayer insulating film over the source line, the power supply line, the switching thin film transistor, the driving thin film transistor, and the first capacitor,  
a second capacitor storage over the interlayer insulating film, and  
an organic light emitting diode over the interlayer insulating film,  
wherein the switching thin film transistor has a source region and a drain region one of which is connected to the source line and the other of which is connected to a gate electrode of the driving thin film transistor through a connection wiring line,  
wherein the driving thin film transistor has a source region and a drain region one of which is connected to the power supply line and the other of which is connected to a pixel electrode of the organic light emitting diode,  
wherein the first capacitor storage has a capacitance electrode, a semiconductor layer, and a first insulating film formed between the capacitance electrode and the semiconductor layer, the capacitance electrode being formed of the same conductive film as the gate electrode of the driving thin film transistor, and the semiconductor layer being formed at the same time active layers of the switching thin film transistor and the driving thin film transistor are formed-,  
and

wherein the second capacitor storage has the connection wiring line, a capacitance wiring line, and a second insulating film formed between the connection wiring line and the capacitance wiring line.

42. (Previously presented) A light emitting device as claimed in claim 41, wherein the insulating film is formed by anodization.

43. (Previously presented) A light emitting device as claimed in claim 41, wherein the capacitance wiring line and the pixel electrode are formed from the same conductive film.

44. (Original) An electric appliance comprising the light emitting device according to claim 41, wherein the electronic appliance is selected from the group consisting of an organic light emitting diode display, a digital still camera, a notebook personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera, and a cellular phone.

45. (Original) A light emitting device having a source line, a power supply line, a switching thin film transistor, a driving thin film transistor, a first capacitor storage, a second capacitor storage, and an organic light emitting diode,

wherein the switching thin film transistor has a source region and a drain region one of which is connected to the source line and the other of which is connected to a gate electrode of the driving thin film transistor through a connection wiring line,

wherein the driving thin film transistor has a source region and a drain region one of which is connected to the power supply line and the other of which is connected to a pixel electrode of the organic light emitting diode,

wherein the connection wiring line is formed on an interlayer insulating film that covers a gate electrode of the switching thin film transistor,

wherein the first capacitor storage has the connection wiring line, a capacitance wiring line, and an insulating film formed between the connection wiring line and the capacitance wiring line,

wherein the second capacitor storage has a capacitance electrode, the power supply line, and the interlayer insulating film formed between the capacitance electrode and the power supply line, the capacitance electrode being formed of the same conductive film as the gate electrode of the driving thin film transistor.

46. (Previously presented) A light emitting device as claimed in claim 45, wherein the insulating film is formed by anodization.

47. (Previously presented) A light emitting device as claimed in claim 45, wherein the capacitance wiring line and the pixel electrode are formed from the same conductive film.

48. (Original) An electric appliance comprising the light emitting device according to claim 45, wherein the electronic appliance is selected from the group consisting of an organic light emitting diode display, a digital still camera, a notebook personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera, and a cellular phone.

49. (Previously presented) A light emitting device comprising:  
a source line, a power supply line, a switching thin film transistor, a driving thin film transistor, and a first capacitor storage over a substrate,  
an interlayer insulating film over the source line, the power supply line, the switching transistor, the driving thin film transistor, and the first capacitor storage,  
a second capacitor storage over the interlayer insulating film, and  
an organic light emitting diode over the interlayer insulating film,

wherein the switching thin film transistor has a source region and a drain region one of which is connected to the source line and the other of which is connected to a gate electrode of the driving thin film transistor through a connection wiring line,

wherein the driving thin film transistor has a source region and a drain region one of which is connected to the power supply line and the other of which is connected to a pixel electrode of the organic light emitting diode,

wherein the first capacitor storage has a capacitance electrode, a semiconductor layer, and a first insulating film formed between the capacitance electrode and the semiconductor layer, the capacitance electrode being formed of the same conductive film as the gate electrode of the driving thin film transistor, the semiconductor layer being formed at the same time active layers of the switching thin film transistor and the driving thin film transistor are formed,

wherein the second capacitor storage has the connection wiring line, a capacitance wiring line, and a second insulating film formed between the connection wiring line and the capacitance wiring line, and

wherein the connection wiring line overlaps the active layer of the switching thin film transistor.

50. (Previously presented) A light emitting device as claimed in claim 49, wherein the insulating film is formed by anodization.

51. (Previously presented) A light emitting device as claimed in claim 49, wherein the capacitance wiring line and the pixel electrode are formed from the same conductive film.

52. (Original) An electric appliance comprising the light emitting device according to claim 49, wherein the electronic appliance is selected from the group consisting of an organic light emitting diode display, a digital still camera, a notebook personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera, and a cellular phone.

53. (Original) A light emitting device having a source line, a power supply line, a switching thin film transistor, a driving thin film transistor, a first capacitor storage, a second capacitor storage, and an organic light emitting diode,

wherein the switching thin film transistor has a source region and a drain region one of which is connected to the source line and the other of which is connected to a gate electrode of the driving thin film transistor through a connection wiring line,

wherein the driving thin film transistor has a source region and a drain region one of which is connected to the power supply line and the other of which is connected to a pixel electrode of the organic light emitting diode,

wherein the connection wiring line is formed on an interlayer insulating film that covers a gate electrode of the switching thin film transistor,

wherein the first capacitor storage has the connection wiring line, a capacitance wiring line, and an insulating film formed between the connection wiring line and the capacitance wiring line,

wherein the second capacitor storage has a capacitance electrode, the power supply line, and the interlayer insulating film formed between the capacitance electrode and the power supply line, the capacitance electrode being formed of the same conductive film as the gate electrode of the driving thin film transistor,

wherein the connection wiring line overlaps the active layer of the switching thin film transistor.

54. (Previously presented) A light emitting device as claimed in claim 53, wherein the insulating film is formed by anodization.

55. (Previously presented) A light emitting device as claimed in claim 53, wherein the capacitance wiring line and the pixel electrode are formed from the same conductive film.

56. (Original) An electric appliance comprising the light emitting device according to claim 53, wherein the electronic appliance is selected from the group consisting of an organic light emitting diode display, a digital still camera, a notebook personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera, and a cellular phone.

57. (Original) A light emitting device having a source line, a power supply line, a switching thin film transistor, a driving thin film transistor, a first capacitor storage, a second capacitor storage, a third capacitor storage, and an organic light emitting diode,

wherein the switching thin film transistor has a source region and a drain region one of which is connected to the source line and the other of which is connected to a gate electrode of the driving thin film transistor through a connection wiring line,

wherein the driving thin film transistor has a source region and a drain region one of which is connected to the power supply line and the other of which is connected to a pixel electrode of the organic light emitting diode,

wherein the connection wiring line is formed on an interlayer insulating film that covers a gate electrode of the switching thin film transistor,

wherein the first capacitor storage has the connection wiring line, a capacitance wiring line, and a first insulating film formed between the connection wiring line and the capacitance wiring line,

wherein the second capacitor storage has a capacitance electrode, a semiconductor layer, and a second insulating film formed between the capacitance electrode and the semiconductor layer, the capacitance electrode being formed of the same conductive film as the gate electrode of the driving thin film transistor, the semiconductor layer being formed at the same time active layers of the switching thin film transistor and the driving thin film transistor are formed,



wherein the third capacitor storage has the capacitance electrode, the power supply line, and the interlayer insulating film formed between the capacitance electrode and the power supply line.

58. (Previously presented) A light emitting device as claimed in claim 57, wherein the insulating film is formed by anodization.

59. (Previously presented) A light emitting device as claimed in claim 57, wherein the capacitance wiring line and the pixel electrode are formed from the same conductive film.

60. (Original) An electric appliance comprising the light emitting device according to claim 57, wherein the electronic appliance is selected from the group consisting of an organic light emitting diode display, a digital still camera, a notebook personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera, and a cellular phone.

61. (Original) A light emitting device having a source line, a power supply line, a switching thin film transistor, a driving thin film transistor, a first capacitor storage, a second capacitor storage, a third capacitor storage, and an organic light emitting diode,

wherein the switching thin film transistor has a source region and a drain region one of which is connected to the source line and the other of which is connected to a gate electrode of the driving thin film transistor through a connection wiring line,

wherein the driving thin film transistor has a source region and a drain region one of which is connected to the power supply line and the other of which is connected to a pixel electrode of the organic light emitting diode,

wherein the connection wiring line is formed on an interlayer insulating film that covers a gate electrode of the switching thin film transistor,

wherein the first capacitor storage has the connection wiring line, a capacitance wiring line, and a first insulating film formed between the connection wiring line and the capacitance wiring line,

wherein the second capacitor storage has a capacitance electrode, a semiconductor layer, and a second insulating film formed between the capacitance electrode and the semiconductor layer, the capacitance electrode being formed of the same conductive film as the gate electrode of the driving thin film transistor, the semiconductor layer being formed at the same time active layers of the switching thin film transistor and the driving thin film transistor are formed,

wherein the third capacitor storage has the capacitance electrode, the power supply line, and the interlayer insulating film formed between the capacitance electrode and the power supply line, and

wherein the connection wiring line overlaps the active layer of the switching thin film transistor.

62. (Previously presented) A light emitting device as claimed in claim 61, wherein the insulating film is formed by anodization.

63. (Previously presented) A light emitting device as claimed in claim 61, wherein the capacitance wiring line and the pixel electrode are formed from the same conductive film.

64. (Original) An electric appliance comprising the light emitting device according to claim 61, wherein the electronic appliance is selected from the group consisting of an organic light emitting diode display, a digital still camera, a notebook personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera, and a cellular phone.

65. (Currently amended) A light emitting device comprising:

a plurality of pixels each having a thin film transistor, a pixel electrode, and a capacitor storage,

wherein all of capacitor storages of the plurality of pixels share one capacitance wiring line, the capacitance wiring line formed on a different layer from a gate electrode of the thin film transistor,

wherein each of capacitor storages of the plurality of pixels has a connection wiring line, the capacitance wiring line, and an insulating film being formed between the connection wiring line and the one capacitance wiring line,

wherein the connection wiring line is connected to a source region or a drain region of the thin film transistor, and

wherein the capacitance wiring line is formed on a same interlayer insulating film on which a pixel electrode is formed,

wherein the one capacitance wiring line overlaps an active layer of the thin film transistor of each of the plurality of pixels.

66. (Previously presented) A light emitting device as claimed in claim 65, wherein the insulating film is formed by anodization.

67. (Previously presented) A light emitting device as claimed in claim 65, wherein the capacitance wiring line and a pixel electrode are formed from the same conductive film.

68. (Original) An electric appliance comprising the light emitting device according to claim 65, wherein the electronic appliance is selected from the group consisting of an organic light emitting diode display, a digital still camera, a notebook personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera, and a cellular phone.